

**What Is Claimed Is:**

1           1.       A method for facilitating a purchase of a memory upgrade for a  
2 computer system, comprising:  
3           obtaining memory configuration information for the computer system;  
4           determining a memory upgrade option based upon the memory  
5 configuration information;  
6           presenting an option to purchase the memory upgrade option to a user of  
7 the computer system; and  
8           if the user indicates that the user would like to purchase the memory  
9 upgrade option, automatically initiating a purchase transaction for the memory  
10 upgrade option.

1           2.       The method of claim 1, wherein automatically initiating the  
2 purchase transaction involves automatically initiating the purchase transaction  
3 through a web site that facilitates purchasing the memory upgrade option.

1           3.       The method of claim 2, further comprising automatically  
2 transferring at least part of the memory configuration information to the web site  
3 so that the user does not have to reenter details of the memory configuration  
4 information into the web site.

1           4.       The method of claim 1, wherein obtaining the memory  
2 configuration information involves reading serial presence detect information  
3 from a non-volatile storage device within a memory module in the computer  
4 system.

1           5.       The method of claim 1, wherein determining the memory upgrade  
2 option involves:  
3           identifying a plurality of memory upgrade options that will work in the  
4 computer system based upon the memory configuration information; and  
5           allowing the user to select the memory upgrade option from the plurality  
6 of memory upgrade options.

1           6.       The method of claim 1, wherein obtaining the memory  
2 configuration information involves obtaining at least one of:  
3           an amount of memory installed in the computer system;  
4           a maximum amount of memory that can be installed in the computer  
5 system;  
6           a number of memory module sockets that are available to accept memory  
7 modules in the computer system; and  
8           an operating speed for memory in the computer system.

1           7.       The method of claim 1, wherein prior to obtaining the memory  
2 configuration information, the method further comprises receiving a command  
3 from the user to initiate a memory upgrade for the computer system.

1           8.       A computer-readable storage medium storing instructions that  
2 when executed by a computer cause the computer to perform a method for  
3 facilitating a purchase of a memory upgrade for a computer system, the method  
4 comprising:  
5           obtaining memory configuration information for the computer system;  
6           determining a memory upgrade option based upon the memory  
7 configuration information;

8 presenting an option to purchase the memory upgrade option to a user of  
9 the computer system; and

10 if the user indicates that the user would like to purchase the memory  
11 upgrade option, automatically initiating a purchase transaction for the memory  
12 upgrade option.

1 9. The computer-readable storage medium of claim 8, wherein  
2 automatically initiating the purchase transaction involves automatically initiating  
3 the purchase transaction through a web site that facilitates purchasing the memory  
4 upgrade option.

1 10. The computer-readable storage medium of claim 9, wherein the  
2 method further comprises automatically transferring at least part of the memory  
3 configuration information to the web site so that the user does not have to reenter  
4 details of the memory configuration information into the web site.

1 11. The computer-readable storage medium of claim 8, wherein  
2 obtaining the memory configuration information involves reading serial presence  
3 detect information from a non-volatile storage device within a memory module in  
4 the computer system.

1 12. The computer-readable storage medium of claim 8, wherein  
2 determining the memory upgrade option involves:  
3 identifying a plurality of memory upgrade options that will work in the  
4 computer system based upon the memory configuration information; and  
5 allowing the user to select the memory upgrade option from the plurality  
6 of memory upgrade options.

1           13.     The computer-readable storage medium of claim 8, wherein  
2 obtaining the memory configuration information involves obtaining at least one  
3 of:  
4           an amount of memory installed in the computer system;  
5           a maximum amount of memory that can be installed in the computer  
6 system;  
7           a number of memory module sockets that are available to accept memory  
8 modules in the computer system; and  
9           an operating speed for memory in the computer system.

1           14.     The computer-readable storage medium of claim 8, wherein prior  
2 to obtaining the memory configuration information, the method further comprises  
3 receiving a command from the user to initiate a memory upgrade for the computer  
4 system.

1           15.     An apparatus that facilitates a purchase of a memory upgrade for a  
2 computer system, comprising:  
3           a configuration lookup mechanism that is configured to obtain memory  
4 configuration information for the computer system;  
5           a determining mechanism that is configured to determine a memory  
6 upgrade option based upon the memory configuration information; and  
7           a purchasing mechanism that is configured to present an option to  
8 purchase the memory upgrade option to a user of the computer system;  
9           wherein if the user indicates that the user would like to purchase the  
10 memory upgrade option, the purchasing mechanism is configured to automatically  
11 initiating a purchase transaction for the memory upgrade option.

1           16.     The apparatus of claim 15, wherein the purchasing mechanism is  
2 configured to automatically initiate the purchase transaction through a web site  
3 that facilitates purchasing the memory upgrade option.

1           17.     The apparatus of claim 16, wherein the purchasing mechanism is  
2 configured to automatically transfer at least part of the memory configuration  
3 information to the web site so that the user does not have to reenter details of the  
4 memory configuration information into the web site.

1           18.     The apparatus of claim 15, wherein the configuration lookup  
2 mechanism is configured to read serial presence detect information from a non-  
3 volatile storage device within a memory module in the computer system.

1           19.     The apparatus of claim 15, wherein the determining mechanism is  
2 configured to:  
3           identify a plurality of memory upgrade options that will work in the  
4 computer system based upon the memory configuration information; and to  
5           allow the user to select the memory upgrade option from the plurality of  
6 memory upgrade options.

1           20.     The apparatus of claim 15, wherein the configuration lookup  
2 mechanism is configured to obtain at least one of:  
3           an amount of memory installed in the computer system;  
4           a maximum amount of memory that can be installed in the computer  
5 system;

6 a number of memory module sockets that are available to accept memory  
7 modules in the computer system; and  
8 an operating speed for memory in the computer system.

1 21. The apparatus of claim 15, wherein the apparatus is configured to  
2 operate upon receiving a command from the user to initiate a memory upgrade for  
3 the computer system.